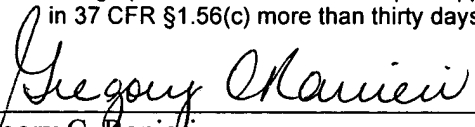
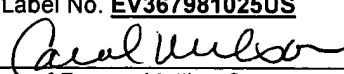


TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Under 37 CFR 1.97(b), (c), or (d)			Docket No. Moeller 20-10
In re Application of: Moeller, Xie			
Serial No. Not Yet Assigned	Filing Date Herewith	Examiner Not Yet Assigned	Group Art Unit Not Yet Assigned
Title: OPTICAL RZ-DUOBINARY TRANSMISSION SYSTEM WITH NARROW BANDWIDTH OPTICAL FILTER			
Address to: Commissioner for Patents Alexandria, VA 22313-1450			
37 CFR 1.97(b)			
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.			
37 CFR 1.97(c)			
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), but prior to the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by the statement or fee as indicated below.			
37 CFR 1.97(d)			
3. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), but on or before payment of the issue fee and is accompanied by the statement and fee as indicated below.			
Required Statements and/or Fees Under 37 CFR 1.97(c) or (d)			
<input type="checkbox"/> Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(1))			
<input type="checkbox"/> No item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(2))			
<input type="checkbox"/> The fee set forth in 37 CFR 1.17(p). Please credit any overpayment or charge any insufficiency to deposit account number 20-0782.			
37 CFR §1.704(d)			
4. <input type="checkbox"/> Each item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.			
 Gregory C. Ranieri Reg. No. 29,695 Moser, Patterson & Sheridan, LLP Attorneys at Law 595 Shrewsbury Avenue, Suite 100 Shrewsbury, New Jersey 07702 732-530-9404		Dated: <u>MARCH 11, 2004</u> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Certificate of Mailing by Express Mail</p> <p>I certify that this document is being deposited on <u>3/12/04</u> with the U.S. Postal Service as Express Mail under 37 CFR §1.10 and is addressed to the Commissioner for Patents, Alexandria, VA 22313-1450. Label No. <u>EV367981025US</u></p> <p style="text-align: center;"> Signature of Person Mailing Correspondence Carol Wilson Typed or Printed Name of Person Mailing Correspondence</p> </div>	

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		Filing Date	Herewith
		First Named Inventor	Moeller
		Group Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	Moeller 20-10
		Submission Date	
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		A. J. PRICE and N. LE MERCIER, "Reduced Bandwidth Optical Digital Intensity Modulation with Improved Chromatic Dispersion Tolerance", Electronics Letters, January 5, 1995, Vol. 31, No. 1, pp. 58-59.	
		D. PENNINCKX, et al., "The Phase-Shaped Binary Transmission (PSBT): A New Technique to Transmit Far Beyond the Chromatic Dispersion Limit", IEEE Photonics Technology Letters, Vol. 9, No. 2, February 1997, pp. 259-261.	
		Sheldon WALKIN and Jan CONRADI, "On the Relationship Between Chromatic Dispersion and Transmitter Filter Response in Duobinary Optical Communication Systems", IEEE Photonics Technology Letters, Vol. 9, No. 7, July 1997, pp. 1005-1007.	
		Kazushige YONENAGA and Shigeru KUWANU, "Dispersion-Tolerant Optical Transmission System Using Duobinary Transmitter and Binary Receiver", Journal of Lightwave Technology, Vol. 15, No. 8, August 1997, pp. 1530-1537.	
		Takashi ONO, et al., "Characteristics of Optical Duobinary Signals in Terabit/s Capacity, High-Spectral Efficiency WDM Systems", Journal of Lightwave Technology, Vol. 16, No. 5, May 1998, pp. 788-797.	
		Xueyan ZHENG et al., "Receiver Optimization for 40-Gb/s Optical Duobinary Signal", IEEE Photonics Technology Letters, Vol. 13, No. 7, July 2001, pp. 744-746.	
		Peter J. WINZER, et al., "Optimum Filter Bandwidths for Optically Pre-amplified NRZ Receivers", Journal of Lightwave Technology, Vol. 19, No. 9, September 2001, pp. 1263-1273.	
		K. S. CHENG and Jan CONRADI, "Reduction of Pulse-to-Pulse Interaction Using Alternative RZ Formats in 40-Gb/s Systems", IEEE Photonics Technology Letters, Vol. 14, No. 1, January 2002, pp. 98-100.	
		Hoon KIM et al., "Demonstration of Optical Duobinary Transmission System Using Phase Modulator and Optical Filter", IEEE Photonics Technology Letters, Vol. 14, No. 7, July 2002, pp. 1010-1012.	
		L. MOELLER, "Higher Order PMD Distortion Mitigation Based on Optical Narrow Bandwidth Signal Filtering", IEEE Photonics Technology Letters, Vol. 14, No. 4, April 2002, pp. 558-560.	
		G. CHARLET et al., "Cost-Optimized 6.3Tbit/s-Capacity Terrestrial Link Over 17x100km Using Phase-Shaped Binary Transmission in a Conventional All-EDFA SMF-Based System", 2002 Optical Society of America, PD25-1, 2,3.	

Examiner

Date Considered